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## REPORTED PREVALENCE FOR THE YEAR 1915—Continued.

## TYPHOID FEVER—Continued.

City.	Estimated population July 1, 1915.	Cases.	Deaths.	Indicated case rate per 1,000 inhabitants.	Indicated fatality rate per 100 cases.
From 10,000 to 25,000 inhabitants—Continued.					
Phillipsburg, N. J.	15,331	3	2	0.196	66.67
Piqua, Ohio	14,029	11		.784	
Pittston, Pa.	18,223	1		.055	
Plainfield, N. J.	23,280	7	3	.301	42.86
Plymouth, Pa.	18,761	9	1	.480	11.11
Redlands, Cal.	13,428	7		.521	
Reno, Nev.	14,224	11	3	.773	27.27
Rome, N. Y.	23,215	7	1	.302	14.29
Rutland, Vt.	14,624	23	4	1.573	17.39
San Bernardino, Cal.	16,274	3		.184	
Sandusky, Ohio	20,160	10	2	.496	20.00
Saratoga Springs, N. Y.	12,842	23	2	1.791	8.70
Sault Ste. Marie, Mich.	13,709	7	1	.511	14.29
Sharon, Pa.	18,077	17	3	.940	17.65
Shawnee, Okla.	17,225	53	1	3.077	1.89
Sherman, Tex.	13,488	15	2	1.112	13.33
Southbridge, Mass.	13,945	7		.502	
Steelton, Pa.	15,337	13		.848	
Stillwater, Minn.	10,198	4	2	.392	50.00
Sunbury, Pa.	15,859	16	3	1.009	18.75
Trinidad, Colo.	13,337	11	4	.825	36.36
Virginia, Minn.	14,432	11	4	.762	36.36
Warren, Pa.	14,391	22	2	1.529	9.09
Washington, Pa.	21,160	50		2.363	
Watertown, Mass.	14,546	5		.344	
Waukegan, Ill.	19,571	12		.613	
Webster, Mass.	12,936	4		.309	
West Chester, Pa.	12,949	3	32	.232	
Westfield, Mass.	18,013	6	1	.333	16.67
West New York, N. J.	17,933	7		.390	
Willimantic, Conn.	12,438	8	1	.643	12.50
Winthrop, Mass.	12,279	3	2	.244	66.67
Woburn, Mass.	15,862	12	2	.757	16.67

<sup>1</sup> Population Apr. 15, 1910; no estimate made.

<sup>2</sup> The health officer states that cases are known not to be completely reported.

## PLAGUE-PREVENTION WORK.

## CALIFORNIA.

The following report of plague-prevention work in California for the week ended August 12, 1916, was received from Senior Surg. Pierce, of the United States Public Health Service, in charge of the work:

FEDERAL AND COUNTY INSPECTION SERVICE.

For the enforcement of the law of June 7, 1913.

Counties.	Number inspections.	Number re-inspections.	Acres inspected.	Acres re-inspected.	Acres treated.		Holes treated.
					Waste balls.	Grain.	
Alameda		102		26,386		3,664	
Contra Costa		74		22,574		3,268	
Stanislaus	110	77	36,930	18,830	103	6,498	140
San Benito	63	52	35,706	20,095		13,056	
Santa Cruz		34		4,851		2,460	
Merced	50	1	29,221	160		80	
Monterey	6	17	28,446	3,440		4,200	
Santa Clara	26	12	16,401	2,725		5,245	
Total	255	369	146,704	99,162	103	38,471	140

## RATS COLLECTED AND EXAMINED.

Cities.	Collected.	Examined.	Infected.
Oakland.....	32	32	None.
Richmond.....	81	81	Do.
Pittsburg.....	149	138	Do.
Total.....	262	251	None.

## RECORD OF PLAGUE INFECTION.

Places in California.	Date of last case of human plague.	Date of last case of rat plague.	Date of last case of squirrel plague.	Total number rodents found infected since May, 1907.
Cities:				
San Francisco.....	Jan. 30, 1908	Oct. 23, 1908	None.....	398 rats.
Oakland.....	Aug. 9, 1911	Dec. 1, 1908	do.....	126 rats.
Berkeley.....	Aug. 28, 1907	None.....	do.....	None.
Los Angeles.....	Aug. 11, 1908	do.....	Aug. 21, 1908	1 squirrel.
Counties:				
Alameda (exclusive of Oakland and Berkeley).....	Sept. 24, 1909	Oct. 17, 1909	June 23, 1916	293 squirrels; 1 wood rat.
Contra Costa.....	July 13, 1915	None.....	June 28, 1916	1,029 squirrels.
Fresno.....	None.....	do.....	Oct. 27, 1911	1 squirrel.
Merced.....	do.....	do.....	May 12, 1916	7 squirrels.
Monterey.....	do.....	do.....	May 27, 1916	38 squirrels.
San Benito.....	June 4, 1913	do.....	July 1, 1916	72 squirrels.
San Joaquin.....	Sept. 18, 1911	do.....	Aug. 26, 1911	18 squirrels.
Santa Clara.....	Aug. 31, 1910	do.....	June 21, 1916	32 squirrels.
San Luis Obispo.....	None.....	do.....	Jan. 29, 1910	1 squirrel.
Santa Cruz.....	do.....	do.....	May 30, 1916	5 squirrels.
Stanislaus.....	do.....	do.....	June 2, 1911	18 squirrels.
San Mateo.....	do.....	do.....	June 21, 1916	1 squirrel.

<sup>1</sup> Wood rat.

The work is being carried on in the following-named counties: Alameda, Contra Costa, Stanislaus, San Benito, Santa Cruz, Monterey, Merced, and Santa Clara.

The following is a record of municipal work performed under the supervision of the United States Public Health Service:

OPERATIONS ON THE WATER FRONT.		COOPERATIVE MUNICIPAL WORK—continued.	
Vessels inspected for rat guards.....	24	Rats trapped.....	148
Reinspections made on vessels.....	5	Rats sent to laboratory.....	148
New rat guards procured.....	2	Rats examined.....	123
Rats trapped on wharves and water front.....	62	Poisons placed.....	51,150
Rats trapped on vessels.....	86	Garbage cans stamped "Approved".....	787
Traps set on wharves and water front.....	166	Rats identified:	
Traps set on vessels.....	108	Mus norvegicus.....	27
Vessels trapped on.....	19	Mus rattus.....	30
Poisons placed on water front (pieces).....	3,600	Mus alexandrinus.....	91
Bait used on waterfront and vessels, bacon (pounds).....	6		
Amount of bread used in poisoning water front (loaves).....	12	WORK DONE ON OLD BUILDINGS.	
Pounds of poison used on water front.....	4	Wooden floors removed.....	8
Poisons placed within the Panama-Pacific International Exposition grounds (pieces).....	36,000	Cubic feet new foundation walls installed...	320
		Concrete floors installed (2,400 square feet)...	1
		Total area concrete laid (square feet).....	2,400
		Floors rat proofed with wire cloth (400 square feet).....	1
		Buildings razed.....	2
COOPERATIVE MUNICIPAL WORK.			
Premises inspected.....	398		
Nuisances abated.....	27		

## LOUISIANA—NEW ORLEANS—PLAGUE ERADICATION.

The following report of plague-eradication work at New Orleans for the week ended August 19, 1916, was received from Passed Asst. Surg. Simpson, of the United States Public Health Service, in charge of the work:

OUTGOING QUARANTINE.		LABORATORY OPERATIONS—continued.	
Vessels fumigated with sulphur.....	3	Rodents received, by species—Continued.	
Vessels fumigated with cyanide gas.....	15	Muskrats .....	10
Pounds of sulphur used.....	200	Putrid.....	135
Pounds of cyanide used in cyanide-gas fumigation.....	754	Total rodents received at laboratory.....	7,513
Pints of sulphuric acid used in cyanide-gas fumigation.....	1,131	Rodents examined.....	1,462
Clean bills of health issued.....	33	Number of rats suspected of plague.....	129
Foul bills of health issued.....	2	Plague rats confirmed.....	2
FIELD OPERATIONS.		PLAGUE RATS.	
Rodents trapped.....	7,496	Case No. 319:	
Premises inspected.....	7,012	Address, 201 Carondelet Street.	
Notices served.....	300	Captured, Aug. 1, 1916.	
Number of garbage cans installed.....	20	Diagnosis confirmed, Aug. 15, 1916.	
		Treatment of premises: Immediate repair of all defects. Intensive trapping.	
		Case No. 320:	
		Address, 961 St. Mary Street.	
		Captured, July 26, 1916.	
		Diagnosis confirmed, Aug. 18, 1916.	
		Treatment of premises: Removal of débris.	
		General clean-up of premises.	
		PLAGUE STATUS TO AUG. 19, 1916.	
		Last case of human plague, Sept. 8, 1915.	
		Last case of rodent plague, Aug. 1, 1916.	
		Total number of rodents captured to Aug. 19.....	810,133
		Total number of rodents examined to Aug. 19.....	376,295
		Total cases of rodent plague to Aug. 19, by species:	
		Mus musculus.....	6
		Mus rattus.....	20
		Mus alexandrinus.....	16
		Mus norvegicus.....	278
		Total rodent cases to Aug. 19, 1916....	320
LABORATORY OPERATIONS.			
Rodents received, by species:			
Mus rattus.....	178		
Mus norvegicus.....	866		
Mus alexandrinus.....	170		
Mus musculus.....	6,094		
Wood rats.....	60		

<sup>1</sup> Indicates the number of rodents the tissues of which were inoculated into guinea pigs. Most of these showed, on necropsy, only evidence of recent inflammatory process. Practically none presented gross lesions characteristic of plague infection.

**HAWAII—PLAGUE PREVENTION.**

The following reports of plague-prevention work in Hawaii were received from Surg. Trotter, of the United States Public Health Service:

**Honolulu.**

WEEK ENDED AUG. 12, 1916.

Total rats and mongoose taken.....	400	Classification of rats trapped—Continued.	
Rats trapped.....	386	Mus rattus.....	12
Mongoose trapped.....	5	Classification of rats killed by sulphur dioxide:	
Rats killed by sulphur dioxide.....	9	Mus alexandrinus.....	5
Examined microscopically.....	320	Mus rattus.....	4
Examined macroscopically.....	80	Average number of traps set daily.....	984
Showing plague infection.....	None.	Cost per rat destroyed.....cents..	19½
Classification of rats trapped:		Last case rat plague, Aiea, 9 miles from Honolulu,	
Mus alexandrinus.....	173	Apr. 12, 1910.	
Mus musculus.....	158	Last case human plague, Honolulu, July 12, 1910.	
Mus norvegicus.....	43		

**Hilo.**

WEEK ENDED AUG. 5, 1916.

Rats and mongoose taken.....	2,312	Classification of rats trapped and found dead—	
Rats trapped.....	2,267	Continued.	
Mongoose taken.....	45	Mus rattus.....	525
Rats and mongoose examined macroscopically	2,312	Mus musculus.....	999
Rats and mongoose plague infected.....	None.	Last case of rat plague, Paauhau Sugar Co., Jan.	
Classification of rats trapped and found dead:		18, 1916.	
Mus norvegicus.....	540	Last case of human plague, Paauhau Sugar Co.,	
Mus alexandrinus.....	293	Dec. 16, 1915.	